

REMARKS:  
SEQ ID NO  
SOFTWARE

Db 175 NTNVNPKDGIILVNSSMFNPTSLSAMVNTFKLSNRVSNLGMGCSAGVIAIDLAK 234  
QY 121 DLLHVHKNYALVSTENITNYIYAGDNRSMVSNCLFRVGGAAIILSNKPGDRRSKYE 180  
Db 235 DLLHVHKNYALVSTENITNYIYAGDNRSMVSNCLFRVGGAAIILSNKPGDRRSKYE 294  
QY 181 LVHTVRHTGADGKSPRCVQOQDDENGKIGVSLSKDITDVAGRTVKKNATLGLPLILPLS 240  
Db 295 LVHTVRHTGADGKSPRCVQOQDDENGKIGVSLSKDITDVAGRTVKKNATLGLPLILPLS 354  
QY 241 EKLLFPVTFMGKKLFDKDKIHYVVPDFKLAIDHFCIHAGGRAVIDVLEKNLALAPIDVEA 300  
Db 355 EKLLFPVTFMGKKLFDKDKIHYVVPDFKLAIDHFCIHAGGRAVIDVLEKNLALAPIDVEA 414  
QY 301 SRSTLHRFGNTSSSIWYELAYIEAKGRMKGNKVMQIALGSGFKCNSAVWVALNNVKAS 360  
Db 415 SRSTLHRFGNTSSSIWYELAYIEAKGRMKGNKVMQIALGSGFKCNSAVWVALNNVKAS 474  
QY 361 TNSPWEHCIDRYPVKIDSDSGSKSETRVQNGRS 392  
Db 475 TNSPWEHCIDRYPVKIDSDSGSKSETRVQNGRS 506  
RESULT 3  
US-09-877-476-14  
Sequence 14, Application US/09877476  
; Patent No. 6713664  
; GENERAL INFORMATION:  
; APPLICANT: Jaworski, Jan G.  
; APPLICANT: Blacklock, Brenda J.  
; TITLE OF INVENTION: FATTY ACID ELONGASE 3-KETOACYL COA  
; TITLE OF INVENTION: SYNTHASE POLYPEPTIDES  
; FILE REFERENCE: 07148-108001  
; CURRENT APPLICATION NUMBER: US/09/877, 476  
; CURRENT FILING DATE: 2001-06-08  
; PRIOR APPLICATION NUMBER: US 60/210,326  
; PRIOR FILING DATE: 2000-06-08  
; NUMBER OF SEQ ID NOS: 56  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 14;  
; LENGTH: 506  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: 5' 114 amino acids from A. thaliana PAE1 (SEQ ID  
; OTHER INFORMATION: No:2) and 3' 392 amino acids from B. napus  
; OTHER INFORMATION: elongase KCS (SEQ ID NO:4), having a mutation at  
; OTHER INFORMATION: position 92; designated At114 K92R  
US-09-877-476-14  
Query Match 99.7%; Score 2031; DB 2; Length 506;  
Best Local Similarity 99.7%; Pred. No. 1.5e-209;  
Matches 391; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 1 GTCDSSWLDLFLRKIQERSGLGDETHGPEGLLOVPKRTFAAARETEQVIGALENLFK 60  
Db 115 GTCDSSWLDLFLRKIQERSGLGDETHGPEGLLOVPKRTFAAARETEQVIGALENLFK 174  
QY 61 NTNVNPKDGIILVNSSMFNPTSLSAMVNTFKLSNRVSNLGMGCSAGVIAIDLAK 120  
Db 175 NTNVNPKDGIILVNSSMFNPTSLSAMVNTFKLSNRVSNLGMGCSAGVIAIDLAK 234  
QY 121 DLLHVHKNYALVSTENITNYIYAGDNRSMVSNCLFRVGGAAIILSNKPGDRRSKYE 180  
Db 235 DLLHVHKNYALVSTENITNYIYAGDNRSMVSNCLFRVGGAAIILSNKPGDRRSKYE 294  
QY 181 LVHTVRHTGADGKSPRCVQOQDDENGKIGVSLSKDITDVAGRTVKKNATLGLPLILPLS 240  
Db 295 LVHTVRHTGADGKSPRCVQOQDDENGKIGVSLSKDITDVAGRTVKKNATLGLPLILPLS 354  
QY 241 EKLLFPVTFMGKKLFDKDKIHYVVPDFKLAIDHFCIHAGGRAVIDVLEKNLALAPIDVEA 300

Db 355 EKLLFPVTFMGKKLFDKDKIHYVVPDFKLAIDHFCIHAGGRAVIDVLEKNLALAPIDVEA 414  
QY 301 SRSTLHRFGNTSSSIWYELAYIEAKGRMKGNKVMQIALGSGFKCNSAVWVALNNVKAS 360  
Db 415 SRSTLHRFGNTSSSIWYELAYIEAKGRMKGNKVMQIALGSGFKCNSAVWVALNNVKAS 474  
QY 361 TNSPWEHCIDRYPVKIDSDSGSKSETRVQNGRS 392  
Db 475 TNSPWEHCIDRYPVKIDSDSGSKSETRVQNGRS 506  
RESULT 4  
US-09-877-476-18  
Sequence 18, Application US/09877476  
; Patent No. 6713664  
; GENERAL INFORMATION:  
; APPLICANT: Jaworski, Jan G.  
; APPLICANT: Blacklock, Brenda J.  
; TITLE OF INVENTION: FATTY ACID ELONGASE 3-KETOACYL COA  
; TITLE OF INVENTION: SYNTHASE POLYPEPTIDES  
; FILE REFERENCE: 07148-108001  
; CURRENT APPLICATION NUMBER: US/09/877, 476  
; CURRENT FILING DATE: 2001-06-08  
; PRIOR APPLICATION NUMBER: US 60/210,326  
; PRIOR FILING DATE: 2000-06-08  
; NUMBER OF SEQ ID NOS: 56  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 18  
; LENGTH: 505  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: 5' 74 amino acids from A. thaliana PAE1 (SEQ ID  
; OTHER INFORMATION: No:2) and 3' 431 amino acids from B. napus  
; OTHER INFORMATION: elongase KCS (SEQ ID NO:4) having a mutation at  
; OTHER INFORMATION: residue 306; designated At74 G306D; hypothetical  
US-09-877-476-18  
Query Match 99.7%; Score 2030; DB 2; Length 505;  
Best Local Similarity 99.7%; Pred. No. 1.9e-209;  
Matches 391; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 1 GTCDSSWLDLFLRKIQERSGLGDETHGPEGLLOVPKRTFAAARETEQVIGALENLFK 60  
Db 114 GTCDSSWLDLFLRKIQERSGLGDETHGPEGLLOVPKRTFAAARETEQVIGALENLFK 173  
QY 61 NTNVNPKDGIILVNSSMFNPTSLSAMVNTFKLSNRVSNLGMGCSAGVIAIDLAK 120  
Db 174 NTNVNPKDGIILVNSSMFNPTSLSAMVNTFKLSNRVSNLGMGCSAGVIAIDLAK 233  
QY 121 DLLHVHKNYALVSTENITNYIYAGDNRSMVSNCLFRVGGAAIILSNKPGDRRSKYE 180  
Db 234 DLLHVHKNYALVSTENITNYIYAGDNRSMVSNCLFRVGGAAIILSNKPGDRRSKYE 293  
QY 181 LVHTVRHTGADGKSPRCVQOQDDENGKIGVSLSKDITDVAGRTVKKNATLGLPLILPLS 240  
Db 294 LVHTVRHTGADGKSPRCVQOQDDENGKIGVSLSKDITDVAGRTVKKNATLGLPLILPLS 353  
QY 241 EKLLFPVTFMGKKLFDKDKIHYVVPDFKLAIDHFCIHAGGRAVIDVLEKNLALAPIDVEA 300  
Db 354 EKLLFPVTFMGKKLFDKDKIHYVVPDFKLAIDHFCIHAGGRAVIDVLEKNLALAPIDVEA 413  
QY 301 SRSTLHRFGNTSSSIWYELAYIEAKGRMKGNKVMQIALGSGFKCNSAVWVALNNVKAS 360  
Db 414 SRSTLHRFGNTSSSIWYELAYIEAKGRMKGNKVMQIALGSGFKCNSAVWVALNNVKAS 473  
QY 361 TNSPWEHCIDRYPVKIDSDSGSKSETRVQNGRS 392  
Db 474 TNSPWEHCIDRYPVKIDSDSGSKSETRVQNGRS 505  
RESULT 5  
US-09-877-476-16

Best Local Similarity 99.7%; Pred. No. 1.9e-209;  
Matches 391; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GTCDDSSWLDLFLRKIQERSGLGDETHGPEGLLOVPPRKTFAAARETEQVIIGALENLFK 60  
Db 115 GTCDDSSWLDLFLRKIQERSGLGDETHGPEGLLOVPPRKTFAAARETEQVIIGALENLFK 174

Qy 61 NTNVPKDIGILVNSSMFPNTPPSLSAMVNTFKLRSNVRNFLGGMGCSAGVIAIDLAK 120  
Db 175 NTNVPKDIGILVNSSMFPNTPPSLSAMVNTFKLRSNVRNFLGGMGCSAGVIAIDLAK 234

Qy 121 DLLHVHNTYALVSTENITNYIAGDNRSMMVSNCLFRVGGAAILLSNKPGDRRSKYE 180  
Db 235 DLLHVHNTYALVSTENITNYIAGDNRSMMVSNCLFRVGGAAILLSNKPGDRRSKYE 294

Qy 181 LVHTVRTHTGADGSKFRVCQGGDDENGKIGVSLSKDITDVAGRTVKKNIAITLGPLILPLS 240  
Db 295 LVHTVRTHTGADGSKFRVCQGGDDENGKIGVSLSKDITDVAGRTVKKNIAITLGPLILPLS 354

Qy 241 EKLFFVTFMGKGLFKDKIKHYVVPDFKLAIDHFCIHAGGRAVIDVLEKNLALAPIDVEA 300  
Db 355 EKLFFVTFMGKGLFKDKIKHYVVPDFKLAIDHFCIHAGGRAVIDVLEKNLALAPIDVEA 414

Qy 301 SRSTLHFRFGNTSSSIWYELAYIEAKGRMKGNKQWQIALGSGFKCNSAVVVALNNVKAS 360  
Db 415 SRSTLHFRFGNTSSSIWYELAYIEAKGRMKGNKQWQIALGSGFKCNSAVVVALNNVKAS 474

Qy 361 TNSPWEHCIDRYPVKIDSOGSKSETRVONGRS 392  
Db 475 TNSPWEHCIDRYPVKIDSOGSKSETRVONGRS 506

RESULT 8  
US-09-877-476-8  
; Sequence 8, Application US/09877476  
; Patent No. 6713664  
; GENERAL INFORMATION:  
; APPLICANT: Jaworski, Jan G.  
; APPLICANT: Blacklock, Brenda J.  
; TITLE OF INVENTION: FATTY ACID ELONGASE 3-KETOACYL COA  
; TITLE OF INVENTION: SYNTHASE POLYPEPTIDES  
; FILE REFERENCE: 07148-108001  
; CURRENT APPLICATION NUMBER: US/09/877,476  
; CURRENT FILING DATE: 2001-06-08  
; PRIOR APPLICATION NUMBER: US 60/210,326  
; PRIOR FILING DATE: 2000-06-08  
; NUMBER OF SEQ ID NOS: 56  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 8  
; LENGTH: 506  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: VARIANT  
; LOCATION: (0)...(0)  
; OTHER INFORMATION: Xaa = Ala or Thr  
; OTHER INFORMATION: 5' 114 amino acids from A. thaliana FAEl (SEQ ID NO:2) and 3' 392 amino acids from B. napus  
; OTHER INFORMATION: elongase KCS (SEQ ID NO:4); designated At114  
US-09-877-476-8

Query Match 99.5%; Score 2027; DB 2; Length 506;  
Best Local Similarity 99.5%; Pred. No. 4.1e-209;  
Matches 390; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GTCDDSSWLDLFLRKIQERSGLGDETHGPEGLLOVPPRKTFAAARETEQVIIGALENLFK 60  
Db 115 GTCDDSSWLDLFLRKIQERSGLGDETHGPEGLLOVPPRKTFAAARETEQVIIGALENLFK 174

Qy 61 NTNVPKDIGILVNSSMFPNTPPSLSAMVNTFKLRSNVRNFLGGMGCSAGVIAIDLAK 120  
Db 175 NTNVPKDIGILVNSSMFPNTPPSLSAMVNTFKLRSNVRNFLGGMGCSAGVIAIDLAK 234

Qy 121 DLLHVHNTYALVSTENITNYIAGDNRSMMVSNCLFRVGGAAILLSNKPGDRRSKYE 180  
Db 235 DLLHVHNTYALVSTENITNYIAGDNRSMMVSNCLFRVGGAAILLSNKPGDRRSKYE 294

Qy 181 LVHTVRTHTGADGSKFRVCQGGDDENGKIGVSLSKDITDVAGRTVKKNIAITLGPLILPLS 240  
Db 295 LVHTVRTHTGADGSKFRVCQGGDDENGKIGVSLSKDITDVAGRTVKKNIAITLGPLILPLS 354

Qy 241 EKLFFVTFMGKGLFKDKIKHYVVPDFKLAIDHFCIHAGGRAVIDVLEKNLALAPIDVEA 300  
Db 355 EKLFFVTFMGKGLFKDKIKHYVVPDFKLAIDHFCIHAGGRAVIDVLEKNLALAPIDVEA 414

Qy 301 SRSTLHFRFGNTSSSIWYELAYIEAKGRMKGNKQWQIALGSGFKCNSAVVVALNNVKAS 360  
Db 415 SRSTLHFRFGNTSSSIWYELAYIEAKGRMKGNKQWQIALGSGFKCNSAVVVALNNVKAS 474

Qy 361 TNSPWEHCIDRYPVKIDSOGSKSETRVONGRS 392  
Db 475 TNSPWEHCIDRYPVKIDSOGSKSETRVONGRS 506

RESULT 9  
US-09-877-476-12  
; Sequence 12, Application US/09877476  
; Patent No. 6713664  
; GENERAL INFORMATION:  
; APPLICANT: Jaworski, Jan G.  
; APPLICANT: Blacklock, Brenda J.  
; TITLE OF INVENTION: FATTY ACID ELONGASE 3-KETOACYL COA  
; TITLE OF INVENTION: SYNTHASE POLYPEPTIDES  
; FILE REFERENCE: 07148-108001  
; CURRENT APPLICATION NUMBER: US/09/877,476  
; CURRENT FILING DATE: 2001-06-08  
; PRIOR APPLICATION NUMBER: US 60/210,326  
; PRIOR FILING DATE: 2000-06-08  
; NUMBER OF SEQ ID NOS: 56  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 12  
; LENGTH: 506  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: 5' 114 amino acids from A. thaliana FAEl (SEQ ID NO:2) and 3' 392 amino acids from B. napus  
; OTHER INFORMATION: elongase KCS (SEQ ID NO:4) having mutations at  
; OTHER INFORMATION: residues 91 and 92; designated At114 L91C K92R  
US-09-877-476-12

Query Match 99.5%; Score 2026; DB 2; Length 506;  
Best Local Similarity 99.5%; Pred. No. 5.2e-209;  
Matches 390; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GTCDDSSWLDLFLRKIQERSGLGDETHGPEGLLOVPPRKTFAAARETEQVIIGALENLFK 60  
Db 115 GTCDDSSWLDLFLRKIQERSGLGDETHGPEGLLOVPPRKTFAAARETEQVIIGALENLFK 174

Qy 61 NTNVPKDIGILVNSSMFPNTPPSLSAMVNTFKLRSNVRNFLGGMGCSAGVIAIDLAK 120  
Db 175 NTNVPKDIGILVNSSMFPNTPPSLSAMVNTFKLRSNVRNFLGGMGCSAGVIAIDLAK 234

Qy 121 DLLHVHNTYALVSTENITNYIAGDNRSMMVSNCLFRVGGAAILLSNKPGDRRSKYE 180  
Db 235 DLLHVHNTYALVSTENITNYIAGDNRSMMVSNCLFRVGGAAILLSNKPGDRRSKYE 294

Qy 181 LVHTVRTHTGADGSKFRVCQGGDDENGKIGVSLSKDITDVAGRTVKKNIAITLGPLILPLS 240  
Db 295 LVHTVRTHTGADGSKFRVCQGGDDENGKIGVSLSKDITDVAGRTVKKNIAITLGPLILPLS 354

Qy 241 EKLFFVTFMGKGLFKDKIKHYVVPDFKLAIDHFCIHAGGRAVIDVLEKNLALAPIDVEA 300  
Db 355 EKLFFVTFMGKGLFKDKIKHYVVPDFKLAIDHFCIHAGGRAVIDVLEKNLALAPIDVEA 414

Qy 301 SRSTLHFRFGNTSSSIWYELAYIEAKGRMKGNKQWQIALGSGFKCNSAVVVALNNVKAS 360

415 SRSTLHFRGNTSSSIWELAYIEAKGRMKGNKQWQIALGSGFKCNSAVWVALLNNVKAS 474

361 TNSPWEHCIDRYPVKIDSDSGKSETRVQNGRS 392  
475 TNSPWEHCIDRYPVKIDSDSGKSETRVQNGRS 506

LT 10  
9-877-476-20  
quence 20, Application US/09877476  
tent No. 6713664

PPPLICANT: Jaworski, Jan G.  
PPPLICANT: Blacklock, Brenda J.  
TITLE OF INVENTION: FATTY ACID ELONGASE 3-KETOACYL COA  
TITLE OF INVENTION: SYNTHASE POLYPEPTIDES  
FILE REFERENCE: 07148-108001

CURRENT APPLICATION NUMBER: US/09/877,476

PRIOR FILING DATE: 2001-06-08

PRIOR APPLICATION NUMBER: US 60/210,326

NUMBER OF SEQ ID NOS: 56

SOFTWARE: FastSeq for Windows Version 4.0

IQ ID NO 20

LENGTH: 506

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: 5' 114 amino acids from A. thaliana FAE1 (SEQ ID

OTHER INFORMATION: NO:2) and 3' 392 amino acids from B. napus

OTHER INFORMATION: elongase KCS (SEQ ID NO:4) having mutations at

OTHER INFORMATION: positions 91, 92 and 307; designated A114 L91C

OTHER INFORMATION: K32R G307D; hypothetical

9-877-476-20

Query Match 99.4%; Score 2025; DB 2; Length 506;

Best Local Similarity 99.5%; Pred. No. 6.7e-209;

Matches 390; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

1 GTCDDSSWLDLFLRKIQERSGLDTHGPEGLQVPPRKTFAAAREETEQTQVIGALENLFK 60

115 GTCDDSSWLDLFLRKIQERSGLDTHGPEGLQVPPRKTFAAAREETEQTQVIGALENLFK 174

61 NTNVNPKDIGILVNSSMFNPTPSLSAMVNTFKLSNVRSFNLGSGCSAGVIAIDLAK 120

175 NTNVNPKDIGILVNSSMFNPTPSLSAMVNTFKLSNVRSFNLGSGCSAGVIAIDLAK 234

121 DLLHVHNTYALVSTENITNYIAGDNRSMVSNCLFRVGGAAILLNKPGRDRRSKYE 180

235 DLLHVHNTYALVSTENITNYIAGDNRSMVSNCLFRVGGAAILLNKPGRDRRSKYE 294

181 LVHTVRTHTGADGKSPRCVQGGDENGKIGVSLSKDITDVAGRTVKKNITATLGLPLILPLS 240

295 LVHTVRTHTGADGKSPRCVQGGDENGKIGVSLSKDITDVAGRTVKKNITATLGLPLILPLS 354

241 EKLFFVTFMGKKLFDKIKHYVDPFKLAIDHFCIHAGGRAVIDVLEKNLALAPIDVEA 300

355 EKLFFVTFMGKKLFDKIKHYVDPFKLAIDHFCIHAGGRAVIDVLEKNLALAPIDVEA 414

301 SRSTLHFRGNTSSSIWELAYIEAKGRMKGNKQWQIALGSGFKCNSAVWVALLNNVKAS 360

415 SRSTLHFRGNTSSSIWELAYIEAKGRMKGNKQWQIALGSGFKCNSAVWVALLNNVKAS 474

361 TNSPWEHCIDRYPVKIDSDSGKSETRVQNGRS 392

475 TNSPWEHCIDRYPVKIDSDSGKSETRVQNGRS 506

US/09877476

GENERAL INFORMATION:

APPLICANT: Jaworski, Jan G.

APPLICANT: Blacklock, Brenda J.

TITLE OF INVENTION: FATTY ACID ELONGASE 3-KETOACYL COA

TITLE OF INVENTION: SYNTHASE POLYPEPTIDES

FILE REFERENCE: 07148-108001

CURRENT APPLICATION NUMBER: US/09/877,476

CURRENT FILING DATE: 2001-06-08

PRIOR APPLICATION NUMBER: US 60/210,326

PRIOR FILING DATE: 2000-06-08

NUMBER OF SEQ ID NOS: 56

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 6

LENGTH: 505

TYPE: PRT

ORGANISM: Brassica napus

US-09-877-476-6

Query Match 97.5%; Score 1986; DB 2; Length 505;

Best Local Similarity 97.4%; Pred. No. 1.1e-204;

Matches 382; Conservative 3; Mismatches 7; Indels 0; Gaps 0;

1 GTCDDSSWLDLFLRKIQERSGLDTHGPEGLQVPPRKTFAAAREETEQTQVIGALENLFK 60

114 GTCDDSSWLDLFLRKIQERSGLDTHGPEGLQVPPRKTFAAAREETEQTQVIGALENLFK 173

61 NTNVNPKDIGILVNSSMFNPTPSLSAMVNTFKLSNVRSFNLGSGCSAGVIAIDLAK 120

174 NTNVNPKDIGILVNSSMFNPTPSLSAMVNTFKLSNVRSFNLGSGCSAGVIAIDLAK 233

121 DLLHVHNTYALVSTENITNYIAGDNRSMVSNCLFRVGGAAILLNKPGRDRRSKYE 180

234 DLLHVHNTYALVSTENITNYIAGDNRSMVSNCLFRVGGAAILLNKPGRDRRSKYE 293

181 LVHTVRTHTGADGKSPRCVQGGDENGKIGVSLSKDITDVAGRTVKKNITATLGLPLILPLS 240

294 LVHTVRTHTGADGKSPRCVQGGDENGKIGVSLSKDITDVAGRTVKKNITATLGLPLILPLS 353

241 EKLFFVTFMGKKLFDKIKHYVDPFKLAIDHFCIHAGGRAVIDVLEKNLALAPIDVEA 300

354 EKLFFVTFMGKKLFDKIKHYVDPFKLAIDHFCIHAGGRAVIDVLEKNLALAPIDVEA 413

301 SRSTLHFRGNTSSSIWELAYIEAKGRMKGNKQWQIALGSGFKCNSAVWVALLNNVKAS 360

414 SRSTLHFRGNTSSSIWELAYIEAKGRMKGNKQWQIALGSGFKCNSAVWVALLNNVKAS 473

361 TNSPWEHCIDRYPVKIDSDSGKSETRVQNGRS 392

474 TNSPWEHCIDRYPVKIDSDSGKSETRVQNGRS 505

RESULT 12

US-09-877-476-32

Sequence 32, Application US/09877476

Patent No. 6713664

GENERAL INFORMATION:

APPLICANT: Jaworski, Jan G.

APPLICANT: Blacklock, Brenda J.

TITLE OF INVENTION: FATTY ACID ELONGASE 3-KETOACYL COA

TITLE OF INVENTION: SYNTHASE POLYPEPTIDES

FILE REFERENCE: 07148-108001

CURRENT APPLICATION NUMBER: US/09/877,476

CURRENT FILING DATE: 2001-06-08

PRIOR APPLICATION NUMBER: US 60/210,326

PRIOR FILING DATE: 2000-06-08

NUMBER OF SEQ ID NOS: 56

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 32

LENGTH: 506

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: 5' 399 amino acids from B. napus elongase KCS (SEQ